

Chemical Reactions Lab 2

Compositions Reactions:

1) Heat a small piece of copper in a burner flame (~30 sec) using metal tongs.

Decomposition Reactions:

1) Put a small amount of solid CaCO_3 in a test tube and heat strongly. After 30-60 seconds observe the walls of the test tube and test for gas evolved by placing a flaming wood splint into the test tube.

2) Put a small amount of solid sodium hydrogen carbonate into a clean dry test tube and heat strongly for 1 minute. Observe the walls of the test tube and then test for gas evolved with a flaming wooden splint.

3) Put a small amount of solid sodium chloride into a clean dry test tube and heat strongly for 1 minute. If a reaction occurs you will observe a yellow gas and a silver colored solid.

Single Displacement Reactions:

1) Place a small amount of copper into a test tube that contains silver nitrate.

2) Place a small amount of copper into a test tube that contains zinc nitrate and observe any reactions that take place.